

Title (en)

Apparatus and method for controlling a node of a wireless communication system

Title (de)

Verfahren und Vorrichtung zur Steuerung eines Knotens in einem drahtlosen Kommunikationssystem

Title (fr)

Appareil et procédé pour contrôler un n'ud dans un système de communications sans fil

Publication

EP 2469721 B1 20140423 (EN)

Application

EP 10196534 A 20101222

Priority

EP 10196534 A 20101222

Abstract (en)

[origin: EP2469721A1] An apparatus (100) for controlling a node of a wireless communication system comprises a traffic load determiner (110), a cooperation capacity determiner (120) and a power control unit (130). The traffic load determiner (110) determines a traffic load (112) in the wireless communication system and the cooperation capacity determiner (120) determines an available cooperation capacity (122) of the node with another node of the wireless communication system. Further, the power control unit (130) activates or deactivates an antenna of a node based on the determined traffic load (112) and the determined available capacity (122).

IPC 8 full level

H04B 7/02 (2006.01)

CPC (source: BR EP KR US)

H04B 7/022 (2013.01 - EP US); **H04B 7/024** (2013.01 - KR); **H04B 7/0413** (2013.01 - KR); **H04B 7/0608** (2013.01 - EP US); **H04B 7/0693** (2013.01 - EP KR US); **H04W 16/06** (2013.01 - KR); **H04W 52/343** (2013.01 - BR EP KR US); **H04W 52/0206** (2013.01 - BR EP US); **Y02D 30/70** (2020.08 - EP KR US)

Cited by

EP3409040A4; EP3188374A1; WO2017172433A1; US9154198B2; US9698876B2; US11115088B2; WO2020214071A1; WO2019174753A1; WO2015011650A1; US9942812B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2469721 A1 20120627; **EP 2469721 B1 20140423**; BR PI1107465 A2 20150818; CN 102595501 A 20120718; JP 2012134978 A 20120712; JP 5203500 B2 20130605; KR 101309611 B1 20131014; KR 20120071368 A 20120702; RU 2011152041 A 20130627; RU 2502188 C2 20131220; US 2012165063 A1 20120628; US 8849332 B2 20140930

DOCDB simple family (application)

EP 10196534 A 20101222; BR PI1107465 A 20111222; CN 201110463041 A 20111222; JP 2011279549 A 20111221; KR 20110140645 A 20111222; RU 2011152041 A 20111220; US 201113332885 A 20111221